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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/745,120 12/21/00 URATANI

C 36856.422

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EXAMINER

GILMAN, A

ART UNIT

PAPER NUMBER

2833

DATE MAILED:

08/14/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/745,120

Applicant(s)

URATANI ET AL.

Examiner

Alexander Gilman

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 21 December 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 18) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: _____.

DETAILED ACTION

Claim Objections

Specification and Claims are objected to because of the following informalities:

Words in the disclosure and claims are not always separated from each other (For example, Claims 10, 11, line 1; Specification, p. 1, line 6) . Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1, in lines 9-11, recites "said notch having a clearance to prevent (the?) occurrence of capillary effect of solder applied to said electronic component."

The phrase "...notch having a clearance ..." is confusing. It cannot be interpreted since the clearance is formed between some structural elements.

The phrase "...to prevent occurrence of capillary effect of solder applied to said electronic component ..." is too general since it is not specified to which part of the electronic component solder is applied.

Claim 2, in lines 1-2, recites "...electronic component comprising a solder fillet portion and at least one lead portion."

This phrase is unclear since according to the specification:

1/ the solder fillet portion is a part of the lead portion;

2/ the solder fillet portion and the lead portion are parts of the terminals, not just of the electronic component.

Claims 3 and 14, in lines 2-3, recites "... clearance is provided between the solder fillet portion and a soldered portion".

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According to the specification, the clearance is provided between the lead portion and the insulative case (For example, p. 12 ,lines 4-7).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

1. Claims 1-20 are, as they can be understood due to 112 problem, rejected under 35 U.S.C. 102(e) as being anticipated by Kuriyama et al.

With regard to claims 1-3, 11, and 14, Kuriyama et al (US Pat. No. 6,068,499) disclose an electronic component comprising:

an insulative case (2) made of resin;

a plurality of surface-mounting terminals (12, 11) mounted on said insulative case;

at least one notch provided in said insulative case to accommodate a lead portion of at least one of surface-mounting terminals; and

said notch defining a clearance (Fig. 2,) between the solder fillet portion of (11, 12) and lower-side insulative case (2b).

With regard to claims 12, 13, and 18, Kuriyama et al disclose all of the limitations as applied to claims 1-3, plus a surface-mounting external terminal (40).

With regard to claims 4-6, 15, and 16, Kuriyama et al disclose the two portions (2a, 2b) of the insulative case, plurality of terminals (4, 5) and a groove (8, 9) which is substantially V-shaped.

With regard to claims 7-10, and 17, Kuriyama et al disclose the first notch and the second notch receiving lead portions respectively of the movable (5) and fixed (4) terminals.

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With regard to claims 19 and 20, Kuriyama et al disclose a communication device (col. 1, lines 15-17) comprising a coaxial connector (Fig. 7a; col. 1, line 6).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Gilman whose telephone number is (703) 305-847. The examiner can normally be reached on Monday-Friday, 10:00 a.m - 7:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A Bradley can be reached on (703) 308-2319. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7322 for regular communications and (703) 308-7322 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4900.

AG
August 3, 2001

A handwritten signature in black ink, appearing to read "Gary Paumen".

Gary Paumen
Primary Examiner